

# NEUROLOGY UPDATE & STROKE INTENSIVE

**52 YEARS**  
1967 - 2019

**JAN. 31 – FEB. 2, 2019**

InterContinental Miami, Miami, FL

**D. Ram Ayyar, MD, FAAN**  
COURSE DIRECTOR

**Andres M. Kanner, MD, FANA, FAAN, FAES**  
ASSOCIATE COURSE DIRECTOR

**Jose G. Romano, MD, FAHA, FAAN**  
ASSOCIATE COURSE DIRECTOR

## COURSE HIGHLIGHTS:

- Epilepsy
- Multiple Sclerosis
- Movement Disorders
- Stroke
- Neuromuscular Diseases
- Migraine

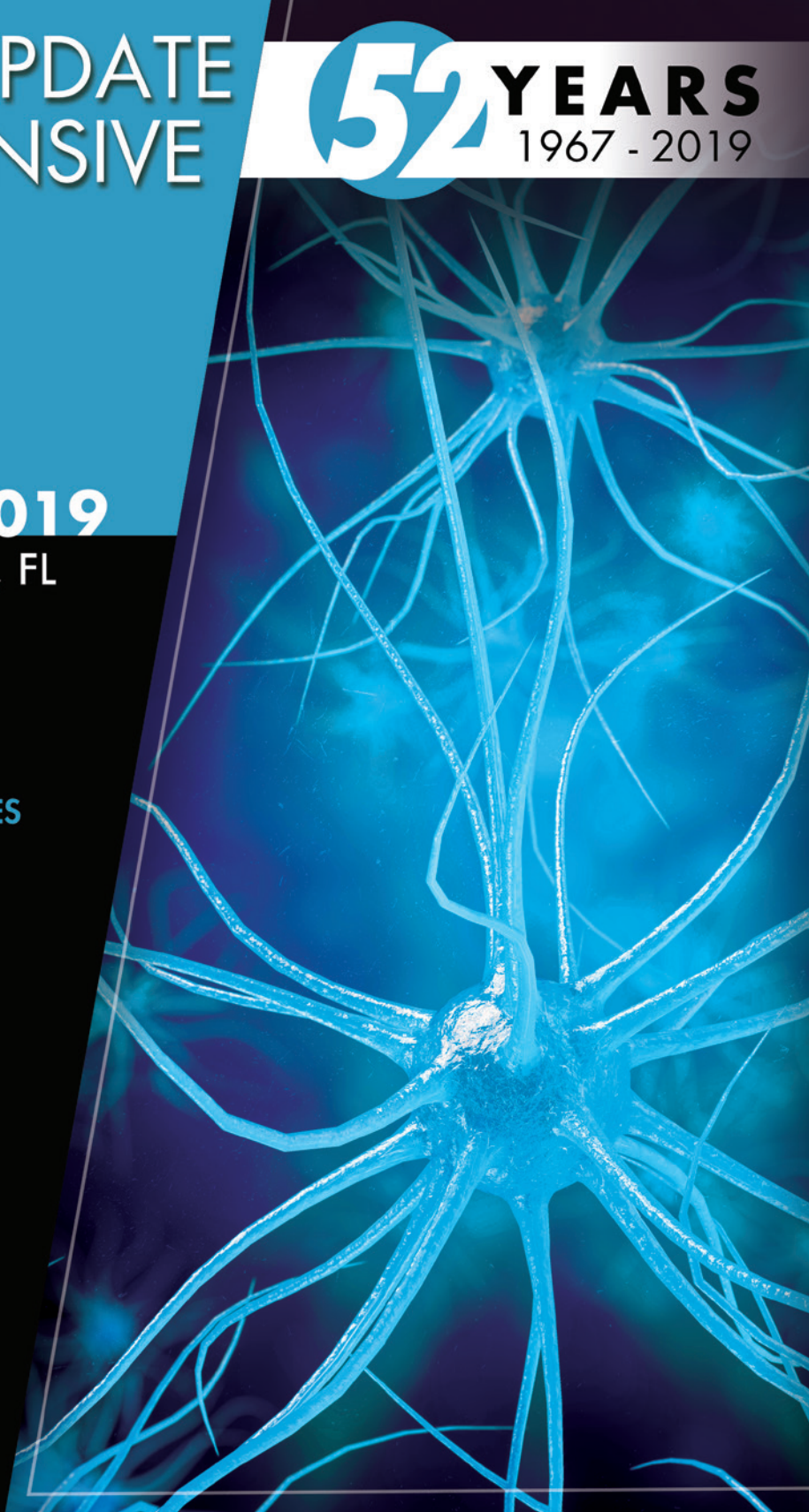
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Presented by:  
Department of Neurology

Registration and information:  
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# NEUROLOGY UPDATE & STROKE INTENSIVE

## OVERVIEW

The course will provide clinicians with the most recent developments in the diagnosis and management of neurologic disorders, including stroke. It will cover the latest advances in the different fields of neurology and neuroscience including epilepsy, multiple sclerosis, movement disorders, neuro-oncology, neuromuscular diseases and headache/migraine all of which are critical in solving clinical problems, diagnosing and treating patients and improving the quality of patient care.

Difficult diagnostic and therapeutic problems in epilepsy, multiple sclerosis, movement disorders, neuro-oncology, neuromuscular diseases and stroke will be presented, including an exchange of information between faculty and attendees with case presentations, dedicated discussion and questions and answers sessions after each presentation as well as panel discussions.

In addition, a dedicated stroke seminar on Saturday is designed as a stand-alone 8-hour CME activity. For those centers planning to seek stroke center status or already designated as a stroke center, this course will provide stroke teams with the most up-to-date evidence in the field of stroke diagnosis, treatment and prevention.

### TARGET AUDIENCE

The course is aimed primarily at neurologists, neurosurgeons, psychiatrists, neuro-oncologists, stroke specialists, cardiologists, internists, hospitalists, intensivists, fellows, residents, nurses and allied healthcare professionals that participate in the care of neurological patients or work in stroke centers. General practitioners and cardiologists will find the topics timely and useful.

### ACCREDITATION

The University of Miami Leonard M. Miller School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

### CREDIT DESIGNATION

The University of Miami Leonard M. Miller School of Medicine designates this live activity for a maximum of **24.0 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### DISCLOSURE & CONFLICT OF INTEREST RESOLUTION

All conflicts of interest of any individual(s) in a position to control the content of this CME activity will be identified and resolved prior to this educational activity being provided. Disclosure about provider and faculty relationships, or the lack thereof, will be provided to learners.

### SERVICES FOR THE DISABLED

Please contact the Division of CME prior to January 5, 2019 should you have any special needs that may require additional assistance. A conference staff member will contact you to discuss these special requirements.

### FOR MORE INFORMATION

[www.cme.med.miami.edu](http://www.cme.med.miami.edu)  
Division of Continuing Medical Education  
Tel: 305-243-6716 / Fax: 305-243-5613 / [cme@med.miami.edu](mailto:cme@med.miami.edu)

## OBJECTIVES

Upon completion of the course the participants will be able to:

- Identify patients with treatment-resistant epilepsy at an early stage
- Select the patients who would benefit from the use of resective surgery and those in whom the less invasive technique of laser ablation is acceptable
- Identify the indications, therapeutic yield and complications of the three types of neurostimulation
- Recognize the significant impact that the recognition and treatment of psychiatric comorbidities have on the overall management of patients with treatment-resistant epilepsy
- Review the major developments in the past few decades of MS pathogenesis and synthesize a conceptual framework that can be applied to everyday practice
- Summarize evidence that the primary progressive clinical phenotype of MS is a distinct disease
- Summarize evidence drawn from recent MS clinical trials that suggest that the progression of MS is a fundamental aspect of the disease process rather than the clinical phenotype
- Debate the evidence presented regarding progression in MS
- Examine the clinical and pathophysiological aspects of demyelinating disease related to the anti-MOG antibody and relate them to the NMO Spectrum Disorder
- Analyze the difficulties in diagnosing and treating relapsing vs. progressive MS using case studies
- Evaluate the usefulness and limitations of current imaging techniques in the management of parkinsonian disorders
- Identify new developments in the genetics and pathophysiology of dystonias and the clinical picture of essential tremor and tardive dyskinesia
- Explain the emerging new therapies in the treatment of common and rare movement disorders
- Review recent advances of disease-modifying therapies for spinal muscular atrophy
- Evaluate the advances in the management myasthenia gravis
- Compare the two modes of administering immunoglobulin treatment to determine the relative effectiveness and incidence of complications
- Assess the recent advances in neuro-oncology
- Appreciate the diagnostic difficulties in patients with arteriovenous malformations of the spinal cord and their treatment
- Critically analyze the treatment options for migraine
- Review the current guidelines for recanalization therapy in acute ischemic stroke, including intravenous and endovascular approaches
- Describe the role of endovascular therapy for wake up stroke and stroke beyond 6 hours of onset, including appropriate patient selection
- Explain the role of left atrial appendage closure and patent foramen ovale closure in embolic stroke
- Describe the optimal evaluation and acute management of TIA and minor stroke
- Identify immune checkpoint inhibitor induced neuromuscular complications

## COURSE DIRECTOR

### D. RAM AYYAR, MD, FAAN

Professor Emeritus in Neurology  
University of Miami Miller School of Medicine

## ASSOCIATE COURSE DIRECTOR

### JOSE G. ROMANO, MD, FAHA, FAAN

Professor of Clinical Neurology  
Vice-Chair of Clinical Affairs  
Chief, Stroke Division, Department of Neurology  
University of Miami Miller School of Medicine  
Chief, Comprehensive Stroke Program  
Jackson Memorial Hospital

### ANDRES M. KANNER, MD, FANA, FAES, FAAN

Professor of Clinical Neurology  
Director, International Comprehensive Epilepsy Center  
Chief, Epilepsy Division  
Department of Neurology  
University of Miami, Miller School of Medicine

## GUEST FACULTY

### JOSEPH JANKOVIC, MD

Professor of Neurology  
Distinguished Chair in Movement Disorders  
Founder and Director, Parkinson's Disease  
Center and Movement Disorders Clinic  
Program Director, Movement Disorders  
Fellowship  
Baylor College of Medicine  
Houston, TX

### TEERIN LIEWLUCK, MD

Assistant Professor  
Division of Neuromuscular Medicine and  
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Mayo Clinic  
Rochester, MN

### JAMES F. MESCHIA, MD

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### NILS MUELLER-KRONAST, MD

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Medical Center  
Regional Neuroscience Director, Tenet South  
Florida  
Boynton Beach, FL

### JERRY S. WOLINSKY, MD

Emeritus Professor in Neurology McGovern  
Medical School  
The University of Texas Health Science  
Center (UTHealth)  
Houston, TX

## UHEALTH FACULTY

### NEGAR ASDAGHI, MD, FRCP

Assistant Professor of Clinical Neurology  
Stroke Division, Department of Neurology

### DANIEL ARMSTRONG, PHD

Professor & Executive Vice Chair, Pediatrics  
Director, Mailman Center for Child Development  
Interim Senior Associate Dean for Faculty Affairs

### MICHAEL BENATAR, MD, PHD

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Professor of Neurology, Executive Director,  
ALS Center & Chief, Neuromuscular Division  
Department of Neurology

### SAGARI R. BETTE, MD

Fellow, Division of Movement Disorders  
Department of Neurology

### EDUARDO DE MARCHENA, MD, FACC, FACP, FSCAI

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and Treatment Center  
Professor of Medicine and Surgery  
International Medicine Institute

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Jackson South Medical Center  
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Residency Program Director  
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Chief, Multiple Sclerosis Division, Department of Neurology

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Director EMU, University of Miami Hospital

### RALPH L. SACCO, MD, MS, FAHA, FAAN

Professor and Olemberg Chair of Neurology  
Executive Director, McKnight Brain Institute  
Chief of Neurology, Jackson Memorial Hospital  
Director, UM Clinical & Translational Science Institute  
Senior Associate Dean for Clinical & Translational Science  
President, American Academy of Neurology 2017-2019

### MARIO A. SAPORTA, MD, PHD, MBA, FAAN

Assistant Professor of Neurology and Human Genetics  
Co-Director, Neuromuscular Medicine Fellowship  
Director, Charcot-Marie-Tooth Center of Excellence  
Director, Muscular Dystrophy Association Care Center  
Principal Investigator, CMT Stem Cell Lab  
Neuromuscular Division, Department of Neurology

### LAUREN T. SHAPIRO, MD, MPH

Assistant Professor of Clinical Medicine  
Department of Physical Medicine and Rehabilitation

### KHEMA R. SHARMA, MD

Professor of Neurology  
Co-Director Electromyography Laboratory  
Director MDA Clinic, Neuropathy Clinic and Post-Polio Clinic  
Neuromuscular Division

### CARLOS SINGER, MD

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### DANIELLE SPENGLER SHPINER, MD

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Department of Neurology

### DILEEP YAVAGAL, MD

Director of Interventional Neurology  
Professor Department of Neurology & Neurosurgery  
Director Neurological Platform, Interdisciplinary  
Stem Cell Institute  
Co-Director of Endovascular Neurosurgery

# NEUROLOGY UPDATE & STROKE INTENSIVE

## AGENDA

### THURSDAY, JANUARY 31, 2019

7:00-7:55 AM **Registration and Continental Breakfast**

7:55-8:00 AM **Welcome**  
D. Ram Ayyar, MD

### EPILEPSY

**Moderator:** Andres M. Kanner, MD

8:00-8:05 AM **Introductory Remarks**  
Andres M. Kanner, MD

8:05-8:30 AM **When is a Patient Considered to Suffer from Treatment-Resistant Epilepsy?**  
Ramses Ribot, MD

8:30-8:55 AM **Resective Surgery vs. Laser Ablation: When and for Whom?**  
Naymee Velez-Ruiz, MD

8:55-9:35 AM **Neuromodulation: Responsive Neurostimulation vs. Vagus Nerve Stimulation vs. Deep Brain Stimulation: When and for Whom?**  
Andres M. Kanner, MD

9:35-10:00 AM **Do Experimental Antiepileptic Drugs Play a Role in the Treatment of Treatment-Resistant Focal Epilepsy?**  
Kamil Detyniecki, MD

10:00-10:30 AM **Coffee Break and Visit Exhibits**

10:30-10:55 AM **The Treatment of Comorbidities in Treatment-Resistant Epilepsy: Do They Have An Impact in the Management of these Patients?**  
Maria Raquel Lopez, MD

10:55-11:30 AM **Round Table Discussion on Epilepsy**  
Kamil Detyniecki, MD  
Andres M. Kanner, MD  
Maria Raquel Lopez, MD  
Ramses Ribot, MD  
Naymee Velez-Ruiz, MD

11:30-12:00 PM **Neuro-Oncology Update 2019**  
Antonio M. Omuro, MD

12:00-12:10 PM **Discussion and Q&A**

12:10-1:00 PM **Lunch**

### MULTIPLE SCLEROSIS

**Moderator:** Micheline McCarthy, MD, PhD

1:00-1:50 PM **POINT/COUNTERPOINT: RRMS and Progressive MS- Sequential or Concurrent?**  
**Moderator:** Micheline McCarthy, MD, PhD

- **Progression in Multiple Sclerosis is a Fundamental Aspect of the Disease and Not the Clinical Phenotype**  
Jerry S. Wolinsky, MD
- **Primary Progressive MS is a Different Disease**  
Kottil W. Rammohan, MD

1:50-2:05 PM **Discussion and Q&A**

2:05-2:35 PM **KEYNOTE ADDRESS: Multiple Sclerosis Today, What Have We Learned and How Do We Apply It in Everyday Practice?**  
Jerry S. Wolinsky, MD

2:35-2:45 PM **Discussion and Q&A**

2:45-3:15 PM **Coffee Break and Visit Exhibits**

3:15-3:40 PM **NMO Spectrum Disorder: Anti-MOG Mediated Disease**  
Leticia Tornos, MD

3:40-3:45 PM **Discussion and Q&A**

3:45-4:20 PM **CASE PRESENTATIONS: Relapsing vs. Progressive Course**  
**Moderator:** Micheline McCarthy, MD, PhD

4:20-4:30 PM **Discussion and Q&A**

4:30-5:00 PM **Panel Discussion: Multiple Sclerosis**  
Micheline McCarthy, MD, PhD  
Kottil W. Rammohan, MD  
Leticia Tornos, MD  
Jerry S. Wolinsky, MD

5:00 PM **Adjourn**

### FRIDAY, FEBRUARY 1, 2019

7:00-7:55 AM **Registration and Continental Breakfast**

### MOVEMENT DISORDERS

**Moderator:** Carlos Singer, MD

8:00-8:25 AM **Clinical Utility of DAT Scan and MRI in the Diagnosis of Parkinsonian Syndromes**  
Henry Moore, MD

8:25-8:30 AM **Discussion and Q&A**

8:30-9:10 AM **KEYNOTE: An Update on Dystonia**  
Joseph Jankovic, MD

9:10-9:15 AM **Discussion and Q&A**

9:15-9:40 AM **The Essential Tremor and Parkinson Disease Continuum**  
Jason Margolesky, MD

9:40-10:05 AM **Tardive Dyskinesia: Clinical and Treatment Pointers**  
Carlos Singer, MD

10:05-10:10 AM **Discussion and Q&A**

10:10-10:40 AM **Coffee Break and Visit Exhibits**

10:40-11:05 AM **Clinical Research Blitz**  
Corneliu Luca, MD

11:05-11:10 AM **Discussion and Q&A**

11:10-11:50 AM **Video Session: Case Presentations and Panel Discussion**  
**Moderator:** Jason Margolesky, MD  
**Presenters:** Sagari R. Bette, MD  
Danielle Spengler Shpiner, MD  
**Faculty Panel:** Joseph Jankovic, MD  
Carlos Singer, MD  
Henry Moore, MD  
Corneliu Luca, MD

# AGENDA

Jan. 31 – Feb. 2, 2019

- 11:50-12:50 PM **Lunch**  
 12:50-1:20 PM **Breakthroughs in Migraine: A New Horizon**  
 Teshamae S. Monteith, MD, FAHS

- 1:20-1:30 PM **Discussion and Q&A**

## NEUROMUSCULAR DISEASES

**Moderator:** D. Ram Ayyar, MD

- 1:30-2:00 PM **Vascular Malformations of the Spinal Cord**  
 Roberto C. Heros, MD  
 2:00-2:10 PM **Discussion and Q&A**  
 2:10-2:40 PM **Immune Checkpoint Inhibitor-Associated Neuromuscular Complications**  
 Teerin Liewluck, MD  
 2:40-2:50 PM **Discussion and Q&A**  
 2:50-3:20 PM **Coffee Break and Visit Exhibits**  
 3:20-3:50 PM **Spinal Muscular Atrophy: From Research to Disease-Modifying Therapies**  
 Mario A. Saporta, MD, PhD, MBA  
 3:50-4:00 PM **Discussion and Q&A**  
 4:00-4:30 PM **Recent Advances in the Treatment of Myasthenia Gravis**  
 Michael Benatar, MBCH  
 4:30-4:40 PM **Discussion and Q&A**  
 4:40-5:05 PM **Immunoglobulin Treatment: Intravenous vs. Subcutaneous**  
 Khema R. Sharma, MD  
 5:05-5:10 PM **Discussion and Q&A**  
 5:10 PM **Adjourn**

## SATURDAY, FEBRUARY 2, 2019

## STROKE SEMINAR

- 7:00-8:00 AM **Registration and Continental Breakfast**  
 7:50-8:00 AM **Welcome**  
 Jose G. Romano, MD  
 8:00-8:30 AM **Relaxation of the Indications for Thrombolytic Treatment of Acute Ischemic Stroke: Review of Recent Guidelines, Thrombolysis in Special Populations, Thrombolysis in Wake-Up Stroke, Other Thrombolytic Agents**  
 Nicole Sur, MD  
 8:30-8:40 AM **Discussion and Q&A**  
 8:40-9:10 AM **Management of Patients with Mild Stroke Symptoms**  
 Negar Asdaghi, MD  
 9:10-9:20 AM **Discussion and Q&A**  
 9:20-9:50 AM **Indications and Patient Selection for Thrombectomy**  
 Dileep R. Yavagal, MD, MBBS  
 9:50-10:00 AM **Discussion and Q&A**

- 10:00-10:30 AM **Coffee Break and Visit Exhibits**  
 10:30-11:00 AM **Systems of Care Required to Dispense Acute Stroke Therapy: Pre-Hospital Transport Policies, Hospital Resources and Certification, the Florida Stroke Registry**  
 Nils Mueller-Kronast, MD

- 11:00-11:10 AM **Discussion and Q&A**

- 11:10-11:40 AM **Case Presentations and Panel Discussion: Acute Ischemic Stroke**  
**Moderator:** Keith DeSousa, MD  
**Panelists:** Negar Asdaghi, MD  
 Nils Mueller-Kronast, MD  
 Nicole Sur, MD  
 Dileep R. Yavagal, MD, MBBS

- 11:40-12:10 PM **Acute Management of Intracerebral Hemorrhage**  
 Sebastian Koch, MD

- 12:10-12:20 PM **Discussion and Q&A**

- 12:20-12:50 PM **Box Lunch**

- 12:50-1:20 PM **Management of Stroke in Pregnancy and the Post-Partum Period**  
 Erika Marulanda-Londoño, MD

- 1:20-1:30 PM **Discussion and Q&A**

- 1:30-2:00 PM **Embolic Stroke of Undetermined Source: Diagnosis and Management**  
 Ralph L. Sacco, MD, MS

- 2:00-2:10 PM **Discussion and Q&A**

- 2:10-2:50 PM **POINT/COUNTERPOINT: Non-Pharmacological Approaches to Cardioembolic Stroke - Who is Eligible?**  
 Eduardo de Marchena, MD  
 Jose G. Romano, MD

- 2:50-3:10 PM **Case Presentations**  
**Moderator:** Amer Malik, MD, MBA

- 3:10-3:40 PM **Coffee Break and Visit Exhibits**

- 3:40-4:25 PM **KEYNOTE: Management of Carotid Disease in Asymptomatic Patients**  
 James F. Meschia, MD

- 4:25-4:35 PM **Discussion and Q&A**

- 4:35-5:05 PM **Sickle Cell Disease and Stroke – Three Cardioembolic Stroke**  
 Daniel Armstrong, PhD

- 5:05-5:15 PM **Discussion and Q&A**

- 5:15-5:45 PM **Approach to Shoulder Pain in the Hemiparetic Patient**  
 Lauren Shapiro, MD, MPH

- 5:45-5:55 PM **Discussion and Q&A**

- 5:55-6:00 PM **Closing Remarks**  
 Jose G. Romano, MD

- 6:00 PM **Conference Adjourns**

# NEUROLOGY UPDATE & STROKE INTENSIVE

## HOTEL

### INTERCONTINENTAL MIAMI

100 Chopin Plaza  
Miami, FL 33131  
Tel. 305-577-1000  
www.icmiamihotel.com  
Hotel Class: 4 Stars



### SPECIAL CONFERENCE RATE

A block of rooms has been reserved for conference participants at a discounted rate:

- **US \$305/night** + 13% tax/day for a Single/Double City View room (Up to 2 adults)
- **US \$325/night** + 13% tax/day for a Bayview room for a Single/Double (Up to 2 adults)

\*\*A daily Hotel Service Fee of \$15/room per night, plus tax will be added to each individual room and includes:

- Premium high speed Internet in both guestrooms and meeting space
- 2 bottles of water in-room daily
- Access to 24-hour fitness center (complimentary shorts, t-shirt, socks and shoes in case you forgot to pack yours)
- Poolside pampering, refreshments and sun care.
- Turndown service upon request
- In-room Keurig coffee and tea
- Access to spa sauna, steam, drench shower and relaxation rooms (20% discount off spa services when Neurology Update is mentioned)

The rate is guaranteed only until **January 4, 2019**. The hotel extends the group rate 3 days pre- and post-conference dates based on availability. After this date, reservation requests will be considered on a space-available basis.

### RESERVATIONS

Room reservations will be made by individual attendees directly by clicking on the following direct link to online reservations at the hotel or call (305) 577-1000 and request the Neurology Update 2019 Conference group rate

For online reservations, click below:

<https://goo.gl/kTo12B>

All reservations should be received by the hotel no later than **January 4, 2019**. All individual reservations must be accompanied by a first night room deposit or guaranteed with a major credit card. Hotel will not hold any reservations unless secured by one of the above methods.

### PARKING RATES

Valet Overnight Parking: \$45/night with in and out privileges

Valet Daily Conference Parking:

- Up to 4 hours: \$18.00
- After 4 hours: \$20.00

To register, please visit [www.cme.med.miami.edu](http://www.cme.med.miami.edu) or complete this form and mail or fax (with payment) to:  
University of Miami Miller School of Medicine  
Division of CME (D23-3)  
P.O. Box 016960 • Miami, FL 33101-6960  
Telephone: 305.243.6716 Fax: 305.243.5613



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of MEDICINE

First Name \_\_\_\_\_ Last Name \_\_\_\_\_ Degree (MD, DO, PhD, ARNP, etc.) \_\_\_\_\_

Affiliation \_\_\_\_\_

Specialty: \_\_\_\_\_ Last 4 digits of SSN#: \_\_\_\_\_ (for CME recording / identification purposes only)

Mailing Address \_\_\_\_\_

City: \_\_\_\_\_ State \_\_\_\_\_ Zip/Postal Code \_\_\_\_\_

Daytime Telephone \_\_\_\_\_ Fax: \_\_\_\_\_ Email: (mandatory) \_\_\_\_\_

## TUITION

|                                                                | Before<br>1/4/19 | As of<br>1/4/19 | Onsite |
|----------------------------------------------------------------|------------------|-----------------|--------|
| <input type="checkbox"/> Physicians                            | \$740            | \$790           | \$835  |
| <input type="checkbox"/> Residents/Fellows                     | \$415            | \$465           | \$515  |
| <input type="checkbox"/> Nurses/Nurse Practitioners            | \$415            | \$465           | \$515  |
| <input type="checkbox"/> Allied Healthcare Professionals/Other | \$415            | \$465           | \$515  |
| <input type="checkbox"/> <b>Stroke Intensive Course Only</b>   | \$390            | \$440           | \$490  |
| <input type="checkbox"/> Industry Representative               | \$1000           | \$1100          | \$1200 |

For groups of 10 or more registrations, discounted pricing is offered:

## TUITION

|                                                                | Before<br>1/4/19 | As of<br>1/4/19 | Onsite |
|----------------------------------------------------------------|------------------|-----------------|--------|
| <input type="checkbox"/> Non-Physician/Researcher (PhD)        | \$500            | \$550           | \$600  |
| <input type="checkbox"/> Allied Healthcare Professionals/Other | \$315            | \$365           | \$415  |
| <input type="checkbox"/> Nurses/Nurse Practitioners            | \$315            | \$365           | \$415  |
| <input type="checkbox"/> <b>Stroke Intensive Course Only</b>   | \$290            | \$340           | \$390  |

\*Continental Breakfast, coffee breaks, lunch and syllabus included in Registration fee.

## PAYMENT METHOD

☐ Check: Please make check payable to UM/Division of CME (**Reference Account #PG 007109 on check**)

☐ Charge my registration fee in the amount of \$ \_\_\_\_\_ to my: ☐ Visa® ☐ MasterCard® ☐ American Express®

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How did you hear about this program?

☐ Brochure ☐ Email ☐ Colleague ☐ Flyer/Announcement ☐ Website ☐ Other \_\_\_\_\_

## REGISTRATION CANCELLATION POLICY

Refunds will be made only if written notice of cancellation is received prior to **December 21, 2018**. A \$100 fee is charged for all refunds. After this date, no refunds will be made. In cases where a course is cancelled due to insufficient registrations, a full registration refund will be made.



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**MILLER SCHOOL**  
of MEDICINE

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Presented by:  
Department of Neurology

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